

IN THE CLAIMS:

1. (Currently Amended) A liquid-crystal panel comprising ~~a rear-emitting light source,~~
comprising a transparent first electrode formed on a first substrate, wherein

a liquid crystal device formed on a first substrate in which the first electrode comprises at
least a thin film transistor and a pixel electrode, and

a liquid crystal layer is sandwiched between a transparent the first electrode and a
transparent second electrode which at least face each other and

a rear-emitting light source for the liquid crystal device formed on a second substrate in
which a thin-film flat light emitting device is sandwiched between an optically opaque third
electrode and a transparent fourth electrode which at least face each other, wherein

the third electrode is a reflection film, and

the third electrode is disposed in the side of the second substrate, which wherein

the third electrode reflects an outside light entering through the liquid crystal layer into
the liquid crystal layer; and

the fourth electrode is disposed facing the second electrode, and

the insulating film sandwiched between the fourth electrode and the second

electrode is a film continuously formed on the fourth electrode comprises at least a
polarizing film, and

the polarizing film continuously formed on the fourth electrode, and

a distance between the third electrode and the first electrode is smaller than the first
electrode pitch.

2. (Canceled)

3. (Original) The liquid crystal panel as claimed in Claim 1, wherein the first and the second substrates are made of glass, quartz or an organic resin.
4. (Original) The liquid-crystal panel as claimed in Claim 1, wherein the third electrode is a reflection film for light emission in the thin-film flat light emitting device.
5. (Original) The liquid-crystal panel as claimed in Claim 1, wherein the third electrode is a laminated structure of a transparent electrode and an opaque electrode.
6. (Original) The liquid-crystal panel as claimed in Claim 5, wherein the uppermost layer in the third electrode is a transparent electrode.
7. (Original) The liquid-crystal panel as claimed in Claim 5, wherein the uppermost layer in the third electrode is an opaque electrode.
8. (Original) The liquid-crystal panel as claimed in Claim 1, wherein the thin-film flat light emitting device is an organic EL device.
9. (Original) The liquid-crystal panel as claimed in Claim 8, wherein the protective film for protecting the organic EL device is formed on the fourth electrode.
10. (Original) The liquid-crystal panel as claimed in Claim 9, wherein the protective film covers at least the upper surface and the edge in the organic EL device which are not covered by the transparent electrode.
11. (Original) The liquid-crystal panel as claimed in Claim 9, wherein the protective film is made of SiO₂, SiN, Al₂O₃ or AlN.
12. (Original) The liquid-crystal panel as claimed in Claim 1, wherein the substrate made of at least the organic resin comprises a barrier film at least in one side.

13. (Original) The liquid-crystal panel as claimed in Claim 12, wherein the barrier film is formed at least in the liquid crystal layer in the substrate or in the surface where the thin-film flat light emitting device is formed.

14. (Original) The liquid-crystal panel as claimed in Claim 12, wherein the barrier film is formed in the liquid crystal layer in the substrate, in the surface where the thin-film flat light emitting device is formed, or in the surface facing the above surface.

15. (Original) The liquid-crystal panel as claimed in Claim 12, wherein the barrier film is made of an organic material consisting of a polyvinyl alcohol.

16. (Original) The liquid-crystal panel as claimed in Claim 12, wherein the barrier film is made of an organic material consisting of a polyvinyl alcohol and an organic-inorganic composite material consisting of an organic material and a clay mineral.

17. (Original) The liquid-crystal panel as claimed in Claim 12, wherein the barrier film is made of a crystalline clay mineral.

18. (Original) The liquid-crystal panel as claimed in Claim 1, wherein the liquid crystal device has a configuration where on the first substrate are sequentially disposed a color filter film; the first electrode consisting of at least a pixel electrode and a transistor driving the pixel electrode; a first oriented film; a liquid crystal; a second oriented film; and the second electrode.

19. (Currently Amended) The liquid-crystal panel as claimed in Claim 1, wherein the liquid crystal device has a configuration where on the first substrate are sequentially disposed the first electrode; ~~consisting of at least a pixel electrode and a transistor driving the pixel electrode;~~ a color filter film; a first oriented film; a liquid crystal; a second oriented film; and the second electrode.

20. (Currently Amended) The liquid-crystal panel as claimed in Claim 1, wherein the liquid crystal device has a configuration where on the first substrate are sequentially disposed the first electrode ~~consisting of at least a pixel electrode and a transistor driving the pixel electrode~~; a first oriented film; a liquid crystal; a second oriented film; the second electrode; and a color filter film.

21. (Currently Amended) The liquid-crystal panel as claimed in Claim 1, wherein the liquid crystal device has a configuration where on the first substrate are sequentially disposed the first electrode ~~consisting of at least a pixel electrode and a transistor driving the pixel electrode~~; a first oriented film; a liquid crystal; a second oriented film; a color filter film; and the second electrode.

22. (Currently Amended) A liquid-crystal panel ~~wherein~~ comprising a rear-emitting light source and a liquid crystal device wherein

the rear-emitting light source comprises a reflection film formed between a first substrate and one surface of a thin-film flat light emitting device layer, and a transparent electrode formed on the other surface of the thin-film flat light emitting device layer; and

an outside light from a the liquid crystal device enters the reflection film through the transparent electrode; the outside light reflected by the reflection film enters the liquid crystal device through the transparent electrode; and

the liquid crystal device is adjacent to the rear-emitting light source by the intermediary of a insulating ~~via a~~ film continuously formed at least on the transparent electrode, and

the insulating film comprises at least polarizing film, and

a thin film transistor and a pixel electrode is formed on one side of a second substrate of the liquid crystal device, wherein

the outside light enters from the other side of the second substrate, and
a distance between the pixel electrode and a reflection film is smaller than the pixel
electrode pitch.

23.(Original) The liquid-crystal panel as claimed in Claim 22, wherein in the liquid crystal device, a liquid crystal is sandwiched at least between a pixel electrode and a counter electrode which face each other.

24. (Canceled)

25. (Original) The liquid-crystal panel as claimed in Claim 22, wherein the reflection film is a driving electrode for the rear-emitting light source.

26.(Original) The liquid-crystal panel as claimed in Claim 25, wherein the driving electrode is a laminated film consisting of a transparent electrode and an opaque electrode.

27. (Original) The liquid-crystal panel as claimed in Claim 26, wherein in the laminated film, the uppermost layer film is a transparent electrode.

28.(Original) The liquid-crystal panel as claimed in Claim 26, wherein in the laminated film, the uppermost layer film is an opaque electrode.

29. (Original) The liquid-crystal panel as claimed in Claim 22, wherein a driving electrode for driving the rear-emitting light source is formed on the reflection film.

30. (Original) The liquid-crystal panel as claimed in Claim 29, wherein the reflection film is electrically conductive.

31. (Currently Amended) The liquid-crystal panel as claimed in Claim 30, wherein the reflection film and the driving electrode are separated ~~via~~ by the intermediary of an insulating film.

32. (Original) The liquid-crystal panel as claimed in Claim 22, wherein the reflection film has an irregularity.
33. (Original) The liquid-crystal panel as claimed in Claim 22, wherein the thin-film flat light emitting device is an organic EL device.
34. (Original) The liquid-crystal panel as claimed in Claim 33, wherein a protective film for protecting the organic EL device is formed on the transparent electrode.
35. (Original) The liquid-crystal panel as claimed in Claim 34, wherein the protective film covers at least the upper surface and the edge in the organic EL device which are not covered by the transparent electrode.
36. (Original) The liquid-crystal panel as claimed in Claim 34, wherein the protective film is made of SiO₂, SiN, Al₂O₃ or AlN.
37. (Original) The liquid-crystal panel as claimed in Claim 22, wherein the substrate is made of an organic resin and a barrier film is formed at least on one side of the substrate.
38. (Original) The liquid-crystal panel as claimed in Claim 37, wherein the barrier film is formed at least in the surface in the substrate where the organic EL device is formed.
39. (Original) The liquid-crystal panel as claimed in Claim 37, wherein the barrier film is formed in the surface in the substrate where the organic EL device is formed, or in the surface facing the above surface.
40. (Original) The liquid-crystal panel as claimed in Claim 37, wherein the barrier film is made of an organic material consisting of a polyvinyl alcohol.
41. (Original) The liquid-crystal panel as claimed in Claim 37, wherein the barrier film is made of an organic material consisting of a polyvinyl alcohol and an organic-inorganic composite material consisting of an organic material and a clay mineral.

42. (Original) The liquid-crystal panel as claimed in Claim 37, wherein the barrier film is made of a crystalline clay mineral.

43.(Original) The liquid-crystal panel as claimed in Claim 22, wherein the continuously formed films include at least an insulating film, a counter electrode formed on the insulating film for the liquid crystal device and an oriented film.

44. (Original) The liquid-crystal panel as claimed in Claim 43, wherein the insulating film is a laminated film comprising at least a polarizing film.

45. (Original) The liquid-crystal panel as claimed in Claim 43, wherein the insulating film comprises at least a polarizing film and a retardation film.

46. (Original) The liquid-crystal panel as claimed in Claim 43, wherein the insulating films include at least a polarizing film, a retardation film and a color filter film.

47. (Currently Amended) The liquid-crystal panel as claimed in Claim 22, wherein the liquid crystal device consists of at least a color filter film; ~~a first electrode consisting of at least a~~ the pixel electrode ~~and a transistor driving the pixel electrode~~; a first oriented film; a liquid crystal; a second oriented film; and a counter electrode.

48. (Currently Amended) The liquid-crystal panel as claimed in Claim 22, wherein the liquid crystal device consists of ~~a first electrode consisting of at least a~~ the pixel electrode ~~and a transistor driving the pixel electrode~~; a color filter film; a first oriented film; a liquid crystal; a second oriented film; and a counter electrode.

49. (Currently Amended) The liquid-crystal panel as claimed in Claim 22, wherein the liquid crystal device consists of ~~a first electrode consisting of at least a~~ the pixel electrode ~~and a transistor driving the pixel electrode~~; a first oriented film; a liquid crystal; a second oriented film; a counter electrode; and a color filter film.

50.(Currently Amended) A liquid-crystal device comprising the liquid-crystal panel as claimed
in ~~any of Claims 1, 2 and 22~~ claim 1.

51. (Original) The electronic device as claimed in Claim 50, comprising the liquid-crystal device.

52. (Original) The electronic device as claimed in Claim 51, wherein the electronic device is a
mobile device.

53. (Canceled)

54. (Canceled)

55. (Canceled)

56. (Canceled)

57. (Canceled)

58. (Canceled)